

<b>Module Code:</b>	CMT432
---------------------	--------

<b>Module Title:</b>	<b>Introduction to Live Sound</b>
----------------------	-----------------------------------

<b>Level:</b>	4	<b>Credit Value:</b>	10
---------------	---	----------------------	----

<b>Cost Centre(s):</b>	SCA?	<u>JACS3</u> code:	W374
------------------------	------	--------------------	------

<b>School:</b>	SCA	<b>Module Leader:</b>	Colin Heron
----------------	-----	-----------------------	-------------

Scheduled learning and teaching hours	18 hrs
Guided independent study	82 hrs
Placement	0 hrs
<b>Module duration (total hours)</b>	<b>100 hrs</b>

<b>Programme(s) in which to be offered (not including exit awards)</b>	Core	Option
Standalone module aligned to BSc (Hons) Sound Technology for QA and assessment purposes	✓	<input type="checkbox"/>

<b>Pre-requisites</b>
N/A

**Office use only**

Initial approval:

Version no:

With effect from:

Date and details of revision:

Version no:

## Module Aims

The content of this module is an introduction to live sound production for musicians, perspective sound engineers and installation artists. The theory concentrates on the implementation of sound systems in small to medium scale installations. It introduces the student to the key elements that are required to provide high quality sound and furnishes them with the required skills to set up and use sound equipment safely and effectively.

## Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Understand the how key elements in the audio chain are connected and implemented	KS3	KS9
		KS5	
		KS6	
2	Evaluate the impact of audio processing on the signal path and how this affects quality and performance	KS1	KS7
		KS4	
		KS5	
3	Apply safe working practices to sound system set up and operation	KS2	
		KS6	
		KS10	

## Transferable skills and other attributes

Creativity  
Applied Problem Solving  
Team work

**Derogations**

N/A

**Assessment:**

Indicative Assessment Tasks:

Indicative Assessment :

The student will be assessed through the practical completion of a portfolio of key skills throughout the course that demonstrate the subject matter delivered in the lecture/workshop series.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	1-3	Portfolio	100		N/A

**Learning and Teaching Strategies:**

This module will be delivered using a combination of workshops, group tutorials, practical exercises, directed and self-directed study.

**Syllabus outline:**

Overview of live sound principles  
System architecture  
Interconnections and wiring  
Stage sources  
Mixing desks  
Graphic equalisation  
Loudspeaker systems  
Computer Aided System tools

<b>Indicative Bibliography:</b>
<b>Essential reading</b>
Eargle, J. Foreman, C. (2008) Jbl Audio Engineering for Sound Reinforcement . Kendrick Books.  Live Sound International – Online Periodical  <i><a href="http://www.livesoundint.com/">http://www.livesoundint.com/</a></i>
<b>Other indicative reading</b>
All Live Sound / Prosound Web – Online Resource  <a href="https://www.prosoundweb.com/live-sound/">https://www.prosoundweb.com/live-sound/</a>